

16/10/24	
8)	Develop a jana program to create a class Student with members USN, name, an array credits and an array marks. Include methods to accept and display details and a method to
	calculate SGrPA of a student. import jana. util. Scanner; class Student
	String name; String USN;
	int oredits [] = new int [5]; int marks [] = new int [5]; double sgpa = 0.0;
	double cypa; int grade [] = new int [5];
	double valculate (int m[], int c[])
	int j; double sum = 0.0; int div = 0;
	$for(j=0; j<5; j++)$ { if (m(j) !=100)
	grade (i)] = (m(i) + 10)/10;
	else



```
grade [i] = 10;
div = weedits (i) + div;
sum = sum + (grade (i)) * oredita (i));
System. out-print ln ("brade for subject"
+ (i+1)+":"+ grade [i]);
sgra = sum /div;
System. out- print ln ("SOIPA:"+ sgra);
return sgpa;
double calcgra (double sgrai, double sgraz)
  cgPa = (sgPa1 + sgPa2)/2;
void input ()
Scanner SC = new Scanner (System. in);
System. out print la ("Enter subject oredit for senester:");
for (i = 0; i < 5; i++)
credity [i] = sc. next Int ();
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System. out. print ln ("Enter marks for suliject:");
 marks (i) = sc. nent Int ();
Public static void main (String args []) {
Scanner SCI = neu Scanner (System. in);
System. out. print In ("Enter number of students");
int n = SCI. next ent ();
Student obj[] = new Student [n];
int K;
for (K=0; K(n; K++)
Obj [K] = new Student ();
System. out- print In ("Enter student name:");
name = Scine;
System- out- print In ("Enter student USN");
USN = SCI. next line ();
Obj [K] . input ();
System- out- print ln ("Semester 1");
double result = obj (K]. calculate (Obj (K]. marks,
Obj [K] credits);
System. out. fruit In ("Ist Semester & G. PA for" + Obj (k). name
+ "(" + Obj [K]. USN +") is: " + seesult);
System. seit- Brutln (" Semester 2");
Obj [K]. Enfut ();
```

double sesult 2 = obj [K]. calculate (obj (K)-marks, obj (K). ocedity); System- out- print ln ("2nd Semester SG. PA for" + obj [K]. name + " (" + obj [ic]. USN +") is : " + result 2); System. out. prent la ("COIPA for 1st year is:" + Obi [K]. cologra (result, result 2)); Seen Enter number of students Enter student name Enter student USN Enter subjects viedets for semester 3 3

1	Page
	Enter marks
	85
	90
(e. V.	91
	90
	89
	78
	70
	95
	Semester 1
	Crorade for subject 1:9
	Grade for subject 2:10
	Grade for sulyest 7: 10
	Crorade for subject 4: 10
	Crade par sulyéed 5: 9
	Grade for subjed 6: 8
	Grade for subject ?: 8
	Grade for subject ?: 8
	SG.PA = 9-25
	1st Semester SGIPA for null (null) 4: 9.25
	Semester 2
	Enter credits
	3
	3
	3
	3
	3
	>
1	

Enter marks 90 98 95 96 87 85 80 Crocade for subject 1 = 10 Brade for sulyed 2: 10 sulytet 3 : 10 sulyēd 4: subject 5: sulifect 6 : sulyted ? = 9 subject 8: 9 SG. PA: 9.5 2nd semester SCIPA for null (null) is: 9.5 Capa for first year is = 9-375